

60,249-495; 10,751-US-AA

IN THE CLAIMS

1. (Currently Amended) A refrigerant system operating as a heat pump comprising:
~~a flowing fluid and a compressor connected to communicating with~~ first and second heat exchangers; and

~~an expansion device connected between communicating via first fluid passages with said first heat exchanger and communicating via second fluid passage with said second heat exchangers~~ said expansion device including a flow resistance device arranged between first and second fluid passages and in fixed relationship thereto, said flow resistance device providing a first fluid resistance ~~for with~~ said fluid-flowing fluid in a first direction and a second fluid resistance greater than said first resistance ~~for with~~ said fluid-flowing fluid in a second opposite direction, ~~said flow resistance device defining a non-cylindrical cross-sectional flow area.~~

2. (Original) The heat pump according to claim 1, comprising a four way reversing valve movable between heating and cooling positions respectively providing fluid flow in said first and second directions.

3. (Currently Amended) The heat pump according to claim 1, wherein said flow resistance device includes a body having ~~an entrance and exit~~ first and second side of different geometry.

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4. (Original) The heat pump according to claim 3, wherein said second side included a barbed-like face.

5. (Original) The heat pump according to claim 3, wherein said second side is a an open face hemisphere.

6. (Original) The heat pump according to claim 3, wherein said flow resistance device is a C-shaped channel with said second side provided by an open face.

7. (Original) The heat pump according to claim 1, wherein said flow resistance device is a bypass angled fluid passage.